

Groupe	No.	MenuFunction	Available Values	Default Setting
AGC	001	MAIN-FAST-DELAY	20 ~ 4000 msec (20 msec Step)	300 msec
AGC	002	MAIN-FAST-HOLD	0 ~ 2000 msec (20 msec Step)	20 msec
AGC	003	MAIN-MID-DELAY	20 ~ 4000 msec (20 msec Step)	700 msec
AGC	004	MAIN-MID-HOLD	0 ~ 2000 msec (20 msec Step)	20 msec
AGC	005	MAIN-SLOW-DELAY	20 ~ 4000 msec (20 msec Step)	2000 msec
AGC	006	MAIN-SLOW-HOLD	0 ~ 2000 msec (20 msec Step)	20 msec
AGC	007	SUB-FAST-DELAY	20 ~ 4000 msec (20 msec Step)	300 msec
AGC	008	SUB-FAST-HOLD	0 ~ 2000 msec (20 msec Step)	20 msec
AGC	009	SUB-MID-DELAY	20 ~ 4000 msec (20 msec Step)	700 msec
AGC	010	SUB-MID-HOLD	0 ~ 2000 msec (20 msec Step)	20 msec
AGC	011	SUB-SLOW-DELAY	20 ~ 4000 msec (20 msec Step)	2000 msec
AGC	012	SUB-SLOW-HOLD	0 ~ 2000 msec (20 msec Step)	20 msec
DISPLAY	013	TFT COLOR	COOL BLUE / CONTRAST BLUE / FLASH WHITE / CONTRAST UMBER / UMBER	*
DISPLAY	014	DIMMER-METER	0 ~ 15	4
DISPLAY	015	DIMMER-VFD	0 ~ 15	8
DISPLAY	016	BAR DISPLAY SELECT	CLAR / CW TUNE / VRF- μ TUNE / NOTCH	CW TUNE
DISPLAY	017	ROTATOR START UP	0 / 90 / 180 / 270 (°)	0 (°)
DISPLAY	018	ROTATOR OFFSET ADJ	-30 ~ 0	0
DISPLAY	019	RIGHT TX METER	ALC / VDD	ALC
DISPLAY	020	QMB MARKER	ENABLE / DISABLE	ENABLE
DISPLAY	021	MY SCREEN	MAP / RF SCOPE / AF SCOPE / LOGBOOK / SWR / ROTATOR / MCH LIST	-----
FH-2 SET	022	BEACON TIME	OFF / 1 ~ 255 sec	OFF
FH-2 SET	023	NUMBER STYLE	1290 / AUNO / AUNT / A2NO / A2NT / 12NO / 12NT	1290
FH-2 SET	024	CONTEST NUMBER	0 ~ 9999	1
FH-2 SET	025	CW MEMORY 1	TEXT / MESSAGE	MESSAGE
FH-2 SET	026	CW MEMORY 2	TEXT / MESSAGE	MESSAGE
FH-2 SET	027	CW MEMORY 3	TEXT / MESSAGE	MESSAGE
FH-2 SET	028	CW MEMORY 4	TEXT / MESSAGE	MESSAGE
FH-2 SET	029	CW MEMORY 5	TEXT / MESSAGE	MESSAGE
GENERAL	030	ANT SELECT	BAND / STACK	BAND
GENERAL	031	BEEP LEVEL	0 ~ 255	50
GENERAL	032	CAT RATE	4800 / 9600 / 19200 / 38400 bps	4800 bps
GENERAL	033	CAT TIME OUT TIMER	10 / 100 / 1000 / 3000 (msec)	10
GENERAL	034	CAT RTS	ENABLE / DISABLE	ENABLE
GENERAL	035	MEM GROUP	ENABLE / DISABLE	DISABLE
GENERAL	036	QUICK SPLIT FREQ	-20 ~ 0 ~ 20 kHz (1 kHz Step)	5 kHz
GENERAL	037	TRAKING	OFF / BAND / FREQ	OFF
GENERAL	038	TIME OUT TIMER	OFF / 5 / 10 / 15 / 20 / 25 / 30 min	OFF
GENERAL	039	TRV OFFSET	30 ~ 49 MHz	44 MHz
GENERAL	040	μ TUNE DIAL STEP	DIAL STEP-2 / DIAL STEP-1 / OFF	DIAL STEP-1
GENERAL	041	MIC SCAN	ENABLE / DISABLE	ENABLE
GENERAL	042	MIC SCAN RESUME	PAUSE / TIME	TIME
GENERAL	043	AF/RF DIAL SWAP	NORMAL / SWAP	NORMAL
MODE-AM	044	AM MIC GAIN	MCMR / 0 ~ 255	160
MODE-AM	045	AM MIC SELECT	FRONT / REAR / DATA / PC	FRONT
MODE-CW	046	F-KEYER TYPE	OFF / BUG / ELEKEY / ACS	ELEKEY
MODE-CW	047	F-CW KEYER	NOR / REV	NOR
MODE-CW	048	R-KEYER TYPE	OFF / BUG / ELEKEY / ACS	ELEKEY
MODE-CW	049	R-CW KEYER	NOR / REV	NOR
MODE-CW	050	CW AUTO MODE	OFF / 50M / ON	OFF
MODE-CW	051	CW BFO	USB / LSB / AUTO	USB

*: Unmber Display Color: UNMBER, Light Blue Display Color: COOL BLUE

MENU MODE

Groupe	No.MenuFunction	Available Values	Default Setting
MODE-CW	052 CW BK-IN	SEMI / FULL	SEMI
MODE-CW	053 CW WAVE SHAPE	1 / 2 / 4 / 6 msec	4 msec
MODE-CW	054 CW WEIGHT	2.5 ~ 4.5	3.0
MODE-CW	055 CW FREQ DISPLAY	DIRECT FREQ / PITCH OFFSET	PITCH OFFSET
MODE-CW	056 PC KEYING	ENABLE / DISABLE	DISABLE
MODE-CW	057 QSK	15 / 20 / 25 / 30 msec	15 msec
MODE-DAT	058 DATA IN SELECT	DATA / PC	DATA
MODE-DAT	059 DATA GAIN	0 ~ 255	128
MODE-DAT	060 DATA OUT	VFO-a / VFO-b	VFO-a
MODE-DAT	061 DATA VOX DELAY	30 ~ 3000 msec	300 msec
MODE-DAT	062 DATA VOX GAIN	0 ~ 255	128
MODE-FM	063 FM MIC GAIN	MCVR / 0 ~ 255	128
MODE-FM	064 FM MIC SELECT	FRONT / REAR / DATA / PC	FRONT
MODE-FM	065 RPT SHIFT(28MHz)	0 ~ 1000 kHz (10 kHz Step)	100 kHz
MODE-FM	066 RPT SHIFT(50MHz)	0 ~ 4000 kHz (10 kHz Step)	1000 kHz
MODE-PKT	067 PKT DISP	-3000 ~ 0 ~ 3000 Hz (10 Hz Step)	0 Hz
MODE-PKT	068 PKT GAIN	0 ~ 255	128
MODE-PKT	069 PKT SHIFT	-3000 ~ 0 ~ 3000 Hz (10 Hz Step)	1000 Hz
MODE-RTY	070 POLARITY-R	NOR / REV	NOR
MODE-RTY	071 POLARITY-T	NOR / REV	NOR
MODE-RTY	072 RTTY SHIFT	170 / 200 / 425 / 850 Hz	170 Hz
MODE-RTY	073 RTTY TONE	1275 / 2125 Hz	2125 Hz
MODE-SSB	074 SSB MIC SELECT	FRONT / REAR / DATA / PC	FRONT
MODE SSB	075 SSB-TX-BPF	50-3000 / 100-2900 / 200-2800 / 300-2700 / 400-2600 (Hz) / 3000WB	300-2700 (Hz)
MODE-SSB	076 LSB RX-CARRIER	-200 ~ 0 ~ 200 Hz (10Hz Step)	0 Hz
MODE-SSB	077 LSB TX-CARRIER	-200 ~ 0 ~ 200 Hz (10Hz Step)	0 Hz
MODE-SSB	078 USB RX-CARRIER	-200 ~ 0 ~ 200 Hz (10Hz Step)	0 Hz
MODE-SSB	079 USB TX-CARRIER	-200 ~ 0 ~ 200 Hz (10Hz Step)	0 Hz
RX AUDIO	080 AGC-SLOPE	NORMAL / SLOPE	NORMAL
RX AUDIO	081 HEADPHONE MIX	SEPARATE / COMBINE-1 / COMBINE-2	SEPARATE
RX AUDIO	082 SPEAKER OUT	SEPARATE / COMBINE	COMBINE
RX DSP	083 MAIN-CONTOUR-LEVEL	-40 ~ 0 ~ 20	-15
RX DSP	084 MAIN-CONTOUR-WIDTH	1 ~ 11	10
RX DSP	085 SUB-CONTOUR-LEVEL	-40 ~ 0 ~ 20	-15
RX DSP	086 SUB-CONTOUR-WIDTH	1 ~ 11	10
RX DSP	087 IF-NOTCH-WIDTH	NARROW / WIDE	WIDE
RX DSP	088 MAIN-CW-SHAPE	SOFT / SHARP	SHARP
RX DSP	089 MAIN-CW-SLOPE	STEEP / MEDIUM / GENTLE	MEDIUM
RX DSP	090 MAIN-CW-NARROW	25 / 50 / 100 / 200 / 300 / 400 (Hz)	300 (Hz)
RX DSP	091 MAIN-PSK-SHAPE	SOFT / SHARP	SHARP
RX DSP	092 MAIN-PSK-SLOPE	STEEP / MEDIUM / GENTLE	MEDIUM
RX DSP	093 MAIN-PSK-NARROW	25 / 50 / 100 / 200 / 300 / 400 (Hz)	300 (Hz)
RX DSP	094 MAIN-RTTY-SHAPE	SOFT / SHARP	SHARP
RX DSP	095 MAIN-RTTY-SLOPE	STEEP / MEDIUM/GENTLE	MEDIUM
RX DSP	096 MAIN-RTTY-NARROW	25 / 50 / 100 / 200 / 300 / 400 (Hz)	300 (Hz)
RX DSP	097 MAIN-SSB-SHAPE	SOFT / SHARP	SHARP
RX DSP	098 MAIN-SSB-SLOPE	STEEP / MEDIUM / GENTLE	MEDIUM
RX DSP	099 MAIN-SSB-NARROW	200 / 400 / 600 / 850 / 1100 / 1350 / 1500 / 1650 / 1800 / 1950 / 2100 / 2250 (Hz)	1800 (Hz)
RX DSP	100 SUB-CW-SHAPE	SOFT / SHARP	SHARP
RX DSP	101 SUB-CW-SLOPE	STEEP / MEDIUM / GENTLE	MEDIUM
RX DSP	102 SUB-CW-NARROW	25 / 50 / 100 / 200 / 300 / 400 (Hz)	300 (Hz)
RX DSP	103 SUB-PSK-SHAPE	SOFT / SHARP	SHARP
RX DSP	104 SUB-PSK-SLOPE	STEEP / MEDIUM / GENTLE	MEDIUM

Groupe	No.	MenuFunction	Available Values	Default Setting
RX DSP	105	SUB-PSK-NARROW	25 / 50 / 100 / 200 / 300 / 400 (Hz)	300 (Hz)
RX DSP	106	SUB-RTTY-SHAPE	SOFT / SHARP	SHARP
RX DSP	107	SUB-RTTY-SLOPE	STEEP / MEDIUM / GENTLE	MEDIUM
RX DSP	108	SUB-RTTY-NARROW	25 / 50 / 100 / 200 / 300 / 400 (Hz)	300 (Hz)
RX DSP	109	SUB-SSB-SHAPE	SOFT / SHARP	SHARP
RX DSP	110	SUB-SSB-SLOPE	STEEP / MEDIUM / GENTLE	MEDIUM
RX DSP	111	SUB-SSB-NARROW	200 / 400 / 600 / 850 / 1100 / 1350 / 1500 / 1650 / 1800 / 1950 / 2100 / 2250 (Hz)	1800 (Hz)
SCOPE	112	MAIN FIX 1.8MHz	1800 ~ 1999 kHz	1800kHz
SCOPE	113	MAIN FIX 3.5MHz	3500 ~ 3999 kHz	3500kHz
SCOPE	114	MAIN FIX 5.0MHz	5250 ~ 5499 kHz	5250kHz
SCOPE	115	MAIN FIX 7.0MHz	7000 ~ 7299 kHz	7000kHz
SCOPE	116	MAIN FIX 10MHz	10100 ~ 10149 kHz	10100kHz
SCOPE	117	MAIN FIX 14MHz	14000 ~ 14349 kHz	14000kHz
SCOPE	118	MAIN FIX 18MHz	18000 ~ 18199 kHz	18068kHz
SCOPE	119	MAIN FIX 21MHz	21000 ~ 21449 kHz	21000kHz
SCOPE	120	MAIN FIX 24MHz	24800 ~ 24989 kHz	24890 kHz
SCOPE	121	MAIN FIX 28MHz	28000 ~ 28699 kHz	28000 kHz
SCOPE	122	MAIN FIX 50MHz	50000 ~ 53999 kHz	50000 kHz
SCOPE	123	SUB FIX 1.8MHz	1800 ~ 1999 kHz	1800 kHz
SCOPE	124	SUB FIX 3.5MHz	3500 ~ 3999 kHz	3500 kHz
SCOPE	125	SUB FIX 5.0MHz	5250 ~ 5499 kHz	5250 kHz
SCOPE	126	SUB FIX 7.0MHz	7000 ~ 7299 kHz	7000 kHz
SCOPE	127	SUB FIX 10MHz	10100 ~ 10149 kHz	10100 kHz
SCOPE	128	SUB FIX 14MHz	14000 ~ 14349kHz	14000 kHz
SCOPE	129	SUB FIX 18MHz	18000 ~ 18199 kHz	18068 kHz
SCOPE	130	SUB FIX 21MHz	21000 ~ 21449 kHz	21000 kHz
SCOPE	131	SUB FIX 24MHz	24800 ~ 24989 kHz	24890 kHz
SCOPE	132	SUB FIX 28MHz	28000 ~ 28699kHz	28000 kHz
SCOPE	133	SUB FIX 50MHz	50000 ~ 53999 kHz	50000 kHz
TUNING	134	DIAL STEP	1 / 5 / 10 Hz	10 Hz
TUNING	135	DIAL CW FINE	DISABLE / ENABLE	DISABLE
TUNING	136	1MHz/100kHz SELECT	1MHz / 100kHz	1 MHz
TUNING	137	AM CH STEP	2.5 / 5 / 9 / 10 / 12.5 kHz	5 kHz
TUNING	138	FM CH STEP	5 / 6.25 / 10 / 12.5 / 20 / 25 kHz	5 kHz
TUNING	139	FM DIAL STEP	10Hz / 100 Hz	100 Hz
TUNING	140	MY BAND	1.8 ~ 50 (MHz) / GEN / TRV	----
TX AUDIO	141	F-PRMTRC EQ1-FREQ	OFF / 100 / 200 / 300 / 400 / 500 / 600 / 700 (Hz)	OFF
TX AUDIO	142	F-PRMTRC EQ1-LEVEL	-20 ~ 0 ~ 10	5
TX AUDIO	143	F-PRMTRC EQ1-BWTH	1 ~ 10	10
TX AUDIO	144	F-PRMTRC EQ2-FREQ	OFF / 700 / 800 / 900 / 1000 / 1100 / 1200 / 1300 / 1400 / 1500 (Hz)	OFF
TX AUDIO	145	F-PRMTRC EQ2-LEVEL	-20 ~ 0 ~ 10	5
TX AUDIO	146	F-PRMTRC EQ2-BWTH	1 ~ 10	10
TX AUDIO	147	F-PRMTRC EQ3-FREQ	OFF/1500 ~ 3200 (100Hz Step)	OFF
TX AUDIO	148	F-PRMTRC EQ3-LEVEL	-20 ~ 0 ~ 10	5
TX AUDIO	149	F-PRMTRC EQ3-BWTH	1 ~ 10	10
TX AUDIO	150	R-PRMTRC EQ1-FREQ	OFF / 100 / 200 / 300 / 400 / 500 / 600 / 700 (Hz)	OFF
TX AUDIO	151	R-PRMTRC EQ1-LEVEL	-20 ~ 0 ~ 10	5
TX AUDIO	152	R-PRMTRC EQ1-BWTH	1 ~ 10	10
TX AUDIO	153	R-PRMTRC EQ2-FREQ	OFF / 700 / 800 / 900 / 1000 / 1100 / 1200 / 1300 / 1400 / 1500 (Hz)	OFF

MENU MODE

Groupe	No.	MenuFunction	Available Values	Default Setting
TX AUDIO	154	R-PRMTRC EQ2-LEVEL	-20 ~ 0 ~ 10	5
TX AUDIO	155	R-PRMTRC EQ2-BWTH	1 ~ 10	10
TX AUDIO	156	R-PRMTRC EQ3-FREQ	OFF / 1500 ~ 3200 (Hz) (100Hz Step)	OFF
TX AUDIO	157	R-PRMTRC EQ3-LEVEL	-20 ~ 0 ~ 10	5
TX AUDIO	158	R-PRMTRC EQ3-BWTH	1 ~ 10	10
TX AUDIO	159	P-PRMTRC EQ1-FREQ	OFF / 100 / 200 / 300 / 400 / 500 / 600 / 700 (Hz)	200
TX AUDIO	160	P-PRMTRC EQ1-LEVEL	-20 ~ 0 ~ 10	0
TX AUDIO	161	P-PRMTRC EQ1-BWTH	1 ~ 10	2
TX AUDIO	162	P-PRMTRC EQ2-FREQ	OFF / 700 / 800 / 900 / 1000 / 1100 / 1200 / 1300 / 1400 / 1500 (Hz)	800
TX AUDIO	163	P-PRMTRC EQ2-LEVEL	-20 ~ 0 ~ 10	0
TX AUDIO	164	P-PRMTRC EQ2-BWTH	1 ~ 10	1
TX AUDIO	165	P-PRMTRC EQ3-FREQ	OFF/1500 ~ 3200 (100Hz Step)	2100
TX AUDIO	166	P-PRMTRC EQ3-LEVEL	-20 ~ 0 ~ 10	0
TX AUDIO	167	P-PRMTRC EQ3-BWTH	1 ~ 10	1
TX GNRL	168	TX MAX POWER	10 /50 / 100 / 200 (W)	200 (W)
TX GNRL	169	TX PWR CONTROL	ALL MODE / CARRIER	ALL MODE
TX GNRL	170	EXT AMP TX-GND	ENABLE / DISABLE	DISABLE
TX GNRL	171	EXT AMP TUNING PWR	10 /50 / 100 / 200 (W)	100 (W)
TX GNRL	172	FULL DUPLEX	SIMP / DUP	SIMP
TX GNRL	173	VOX SELECT	MIC / DATA	MIC
TX GNRL	174	EMERGENCY FREQ TX	DISABLE / ENABLE	DISABLE

AGC GROUP

001. MAIN-FAST-DELAY

Function: Sets the delay time for the AGC FAST mode of the main band (VFO-A) receiver.

Available Values: 20 ~ 4000 msec (20 msec/step)

Default Setting: 300 msec

002. MAIN-FAST-HOLD

Function: Sets the hang time of the AGC peak voltage for the AGC FAST mode of the main band (VFO-A) receiver.

Available Values: 0 ~ 2000 msec (20 msec/step)

Default Setting: 20 msec

003. MAIN-MID-DELAY

Function: Sets the delay time for the AGC MID mode of the main band (VFO-A) receiver.

Available Values: 20 ~ 4000 msec (20 msec/step)

Default Setting: 700 msec

004. MAIN-MID-HOLD

Function: Sets the hang time of the AGC peak voltage for the AGC MID mode of the main band (VFO-A) receiver.

Available Values: 0 ~ 2000 msec (20 msec/step)

Default Setting: 20 msec

005. MAIN-SLOW-DELAY

Function: Sets the delay time for the AGC SLOW mode of the main band (VFO-A) receiver.

Available Values: 20 ~ 4000 msec (20 msec/step)

Default Setting: 2000 msec

006. MAIN-SLOW-HOLD

Function: Sets the hang time of the AGC peak voltage for the AGC SLOW mode of the main band (VFO-A) receiver.

Available Values: 0 ~ 2000 msec (20 msec/step)

Default Setting: 20 msec

007. SUB-FAST-DELAY

Function: Sets the delay time for the AGC FAST mode of the sub band (VFO-B) receiver.

Available Values: 20 ~ 4000 msec (20 msec/step)

Default Setting: 300 msec

008. SUB-FAST-HOLD

Function: Sets the hang time of the AGC peak voltage for the AGC FAST mode of the sub band (VFO-B) receiver.

Available Values: 0 ~ 2000 msec (20 msec/step)

Default Setting: 20 msec

009. SUB-MID-DELAY

Function: Sets the delay time for the AGC MID mode of the sub band (VFO-B) receiver.

Available Values: 20 ~ 4000 msec (20 msec/step)

Default Setting: 700 msec

010. SUB-MID-HOLD

Function: Sets the hang time of the AGC peak voltage for the AGC MID mode of the sub band (VFO-B) receiver.

Available Values: 0 ~ 2000 msec (20 msec/step)

Default Setting: 20 msec

011. SUB-SLOW-DELAY

Function: Sets the delay time for the AGC SLOW mode of the sub band (VFO-B) receiver.

Available Values: 20 ~ 4000 msec (20 msec/step)

Default Setting: 2000 msec

012. SUB-SLOW-HOLD

Function: Sets the hang time of the AGC peak voltage for the AGC SLOW mode of the sub band (VFO-B) receiver.

Available Values: 0 ~ 2000 msec (20 msec/step)

Default Setting: 20 msec

DISPLAY GROUP

013. TFT COLOR

Function: Selects the TFT color.

Available Values: COOL BLUE/CONTRAST BLUE/
FLASH WHITE/CONTRAST UMBER/UMBER

Default Setting:

Umber Display Color: UMBER

Light Blue Display Color: COOL BLUE

014. DIMMER-METER

Function: Setting of the meter brightness level when "DIM" is selected.

Available Values: 0 ~ 15

Default Setting: 4

015. DIMMER-VFD

Function: Setting of the frequency and TFT display brightness level when "DIM" is selected.

Available Values: 0 ~ 15

Default Setting: 8

016. BAR DISPLAY SELECT

Function: Selects one of three parameters to be viewed on the Tuning Offset Indicator.

Available Values: CLAR/CW TUNE/VRF- μ TUNE/
NOTCH

Default Setting: CW TUNE

CLAR: Displays relative clarifier offset.

CW TUNE: Displays relative tuning offset between the incoming signal and transmitted frequency.

VRF- μ TUNE: Displays the peak position of the VRF or μ TUNE filter.

NOTCH: While you rotate the [NOTCH] knob, the center frequency of the IF NOTCH feature will be indicated.

017. ROTATOR START UP

Function: Selects the starting point of your controller's indicator needle.

Available Values: 0/90/180/270°

Default Setting: 0°

018. ROTATOR OFFSET ADJ

Function: Adjusts the indicator needle precisely to the starting point set in menu selection 123.

Available Values: -30 - 0

Default Setting: 0

019. RIGHT TX METER

Function: Selects the Sub meter function

Available Values: ALC/VDD

Default Setting: ALC

ALC: Indicates incoming signal strength on the sub band (VFO-B) while receiving, and indicates the ALC (Automatic Level Control) operating range while transmitting.

VDD: Indicates the Vdd (final amplifier drain voltage) at all times.

020. QMB MARKER

Function: Enables/Disable the QMB Marker (White arrow "▽") to display on the Spectrum Band Scope.

Available Values: ENABLE/DISABLE

Default Setting: ENABLE

021. MY SCREEN

Function: Programs a TFT operation page to be skipped while selecting bands using the [DISP(DISPLAT)] key.

Available Values: MAP / RF SCOPE / AF SCOPE /
LOGBOOK / SWR / ROTATOR / MCH LIST

To program the "page" to be skipped, rotate the **CLAR/VFO-B** knob to recall the "page" to be skipped, then press the [ENT] key to change this setting to "ON." Repeat the same procedures to cancel the setting (skipped "off"). The skipped "page" will be highlighted on the TFT display.

FH-2 SETUP GROUP

022. BEACON TIME

Function: Sets the interval time between repeats of the beacon message.

Available Values: OFF/1 ~ 255 sec

Default Setting: OFF

023. NUMBER STYLE

Function: Selects the Contest Number "Cut" format for imbedded contest number.

Available Values: 1290/AUNO/AUNT/A2NO/A2NT/12NO/12NT

Default Setting: 1290

1290: Does not abbreviate the Contest Number

AUNO: Abbreviates to "A" for "One," "U" for "Two," "N" for "Nine," and "O" for "Zero."

AUNT: Abbreviates to "A" for "One," "U" for "Two," "N" for "Nine," and "T" for "Zero."

A2NO: Abbreviates to "A" for "One," "N" for "Nine," and "O" for "Zero."

A2NT: Abbreviates to "A" for "One," "N" for "Nine," and "T" for "Zero."

12NO: Abbreviates to "N" for "Nine" and "O" for "Zero."

12NT: Abbreviates to "N" for "Nine" and "T" for "Zero."

024. CONTEST NUMBER

Function: Enters the initial contest number that will increment/decrement after sending during contest QSOs.

Available Values: 0 ~ 9999

Default Setting: 1

025. CW MEMORY 1

Function: Permits entry of the CW message for message register 1.

Available Values: TEXT/MESSAGE

Default Setting: MESSAGE

TEXT: You may enter the CW message from a supplied **FH-2** Remote Control Keypad.

MESSAGE: You may enter the CW message from the CW keyer.

026. CW MEMORY 2

Function: Permits entry of the CW message for message register 2.

Available Values: TEXT/MESSAGE

Default Setting: MESSAGE

TEXT: You may enter the CW message from a supplied **FH-2** Remote Control Keypad.

MESSAGE: You may enter the CW message from the CW keyer.

027. CW MEMORY 3

Function: Permits entry of the CW message for message register 3.

Available Values: TEXT/MESSAGE

Default Setting: MESSAGE

TEXT: You may enter the CW message from a supplied **FH-2** Remote Control Keypad.

MESSAGE: You may enter the CW message from the CW keyer.

028. CW MEMORY 4

Function: Permits entry of the CW message for message register 4.

Available Values: TEXT/MESSAGE

Default Setting: MESSAGE

TEXT: You may enter the CW message from a supplied **FH-2** Remote Control Keypad.

MESSAGE: You may enter the CW message from the CW keyer.

029. CW MEMORY 5

Function: Permits entry of the CW message for message register 5.

Available Values: TEXT/MESSAGE

Default Setting: MESSAGE

TEXT: You may enter the CW message from a supplied **FH-2** Remote Control Keypad.

MESSAGE: You may enter the CW message from the CW keyer.

GENERAL GROUP

030. ANT SELECT

Function: Sets the method of antenna selection.

Available Values: BAND/STACK

Default Setting: BAND

BAND: The antenna is selected in accordance with the operating band.

STACK: The antenna is selected in accordance with the band stack (different antennas may be utilized on the same band, if so selected in the band stack).

031. BEEP LEVEL

Function: Sets the beep level.

Available Values: 0 ~ 255

Default Setting: 50

032. CAT RATE

Function: Sets the transceiver's computer-interface circuitry for the CAT baud rate to be used.

Available Values: 4800/9600/19200/38400 bps

Default Setting: 4800 bps

033. CAT TIME OUT TIMER

Function: Sets the Time-Out Timer countdown time for a CAT command input.

Available Values: 10/100/1000/3000 msec

Default Setting: 10 msec

The Time-Out Timer shuts off the CAT data input after the continuous transmission of the programmed time.

034. CAT RTS

Function: Enables/Disables the RTS port of the CAT jack.

Available Values: DISABLE/ENABLE

Default Setting: ENABLE

035. MEM GROUP

Function: Enables/Disables Memory Group Operation.

Available Values: DISABLE/ENABLE

Default Setting: DISABLE

036. QUICK SPLIT FREQ

Function: Selects the tuning offset for the Quick Split feature.

Available Values: -20 ~ 0 ~ +20 kHz (1 kHz Step)

Default Setting: +5 kHz

037. TRACKING

Function: Sets the VFO Tracking feature.

Available Values: OFF / BAND / FREQ

Default Setting: OFF

OFF: Disables the VFO Tracking feature.

BAND: When you change bands on the main (VFO-A) side, the sub (VFO-B) band's VFO will automatically change to be the same as that of VFO-A.

FREQ: This function is the almost same as "BAND," however, furthermore, the sub band's (VFO-B) frequency changes together with the main band's (VFO-A) frequency when turning the Main Dial Tuning knob.

038. TIME OUT TIMER

Function: Sets the Time-Out Timer countdown time.

Available Values: OFF/5/10/15/20/25/30 min

Default Setting: OFF

The Time-Out Timer shuts off the transmitter after continuous transmission of the programmed time.

039. TRV OFFSET

Function: Set the 10's and 1's of the MHz digits display for operation with a transverter.

Available Values: 30 ~ 49 MHz

Default Setting: 44 MHz

If you connect a 430 MHz transverter to the radio, set this menu to "30" (the "100 MHz" digits are hidden on this radio).

040. μ TUNE DIAL STEP

Function: Select the μ -TUNE mode.

Available Values: DIAL STEP-1/DIAL STEP-2/OFF

Default Setting: DIAL STEP-1

DIAL STEP-1: Activates the μ -TUNE system in the Auto mode using "**FINE**" steps of the μ -TUNE knob (1 step/click) on the 14 MHz and lower amateur bands on the main band (VFO-A).

DIAL STEP-2: Activates the μ -TUNE system in the Auto mode using "**COARSE**" steps of the μ -TUNE knob (2 steps/click) on the 7 MHz and lower amateur bands. On the 10/14 MHz bands, "FINE" μ -TUNE knob steps will be used (1 step/click).

OFF: Disables the μ -TUNE system. Activates the VRF feature on the 14 MHz and lower amateur bands on the main band (VFO-A).

GENERAL GROUP

041. MIC SCAN

Function: Enables/disables scanning access via the microphone's [UP]/[DWN] keys (only available at the rear panel's **MIC** Jack).

Available Values: ENABLE/DISABLE

Default Setting: ENABLE

042. MIC SCAN RESUME

Function: Selects the Scan Resume mode.

Available Values: PAUSE/TIME

Default Setting: TIME

PAUSE: The scanner will hold until the signal disappears, then will resume after one second.

TIME: The scanner will hold for five seconds, then resume whether or not the other station is still transmitting.

043. AF/RF DIAL SWAP

Function: Reverses the functions of the **AF GAIN** (VFO-B) and **RF GAIN** (VFO-A) knobs.

Available Values: NORMAL/SWAP

Default Setting: NORMAL

When this menu is set to "SWAP," you may adjust the sub (VFO-B) receiver audio using the large **RF GAIN** (VFO-A) knob and adjust the main (VFO-A) receiver RF gain using the small **AF GAIN** (VFO-B) knob. This puts both "Volume" controls on the same shaft.

MODE-AM GROUP

044. AM MIC GAIN

Function: Sets the microphone gain for the AM mode.

Available Values: MCVR/0 ~ 255 (FIX)

Default Setting: 160

When this menu is set to "MCVR," you may adjust the microphone gain using the front panel's **MIC** knob.

045 AM MIC SELECT

Function: Selects the microphone to be used on the AM mode.

Available Values: FRONT/REAR/DATA/PC

Default Setting: FRONT

FRONT: Selects the microphone connected to the front panel's **MIC** jack while using the AM mode.

REAR: Selects the microphone connected to the rear panel's **MIC** jack while using the AM mode.

DATA: Selects the microphone connected to pin 1 of the **PACKET** Jack while using the AM mode.

PC: Selects the microphone connected to the rear panel's **AUDIO IN** 3.5-mm jack while using the AM mode.

MODE-CW GROUP

046. F-KEYER TYPE

Function: Selects the desired keyer operation mode for the device connected to the front panel's **KEY** jack.

Available Values: OFF/BUG/ELEKEY/ACS

Default Setting: ELEKEY

OFF: Disables the front panel's keyer ("straight key" mode for use with external keyer or computer-driven keying interface).

BUG: Mechanical "bug" keyer emulation. One paddle produces "dits" automatically, while the other paddle manually produces "dahs."

ELEKEY: Iambic keyer with ACS (Automatic Character Spacing) disabled.

ACS: Iambic keyer with ACS (Automatic Character Spacing) enabled.

047. F-CW KEYER

Function: Selects the keyer paddle's wiring configuration of the **KEY** jack on the front panel.

Available Values: NOR/REV

Default Setting: NOR

NOR: Tip = Dot, Ring = Dash, Shaft = Ground

REV: Tip = Dash, Ring = Dot, Shaft = Ground

048. R-KEYER TYPE

Function: Select the desired keyer operation mode for the device connected to the rear panel's **KEY** jack.

Available Values: OFF/BUG/ELEKEY/ACS

Default Setting: ELEKEY

OFF: Disables the front panel's keyer ("straight key" mode for use with external keyer or computer-driven keying interface).

BUG: Mechanical "bug" keyer emulation. One paddle produces "dits" automatically, while the other paddle manually produces "dahs."

ELEKEY: Iambic keyer with ACS (Automatic Character Spacing) disabled.

ACS: Iambic keyer with ACS (Automatic Character Spacing) enabled.

049. R-CW KEYER

Function: Selects the keyer paddle's wiring configuration of the **KEY** jack on the rear panel.

Available Values: NOR/REV

Default Setting: NOR

NOR: Tip = Dot, Ring = Dash, Shaft = Ground

REV: Tip = Dash, Ring = Dot, Shaft = Ground

050. CW AUTO MODE

Function: Enables/disables CW keying while operating on SSB.

Available Values: OFF/50MHz/ON

Default Setting: OFF

OFF: Disables CW keying while operating on SSB.

50MHz: Enables CW keying only while operating SSB on 50 MHz (but not HF).

ON: Enables CW keying while operating on SSB (all TX bands).

Note: This feature allows you to move someone from SSB to CW *without having* to change modes on the front panel.

051. CW BFO

Function: Sets the CW carrier oscillator injection side for the CW mode.

Available Values: USB/LSB/AUTO

Default Setting: USB

USB: Injects the CW carrier oscillator on the USB side.

LSB: Injects the CW carrier oscillator on the LSB side.

AUTO: Injects the CW carrier oscillator on the LSB side while operating on the 7 MHz band and below, and the USB side while operating on the 10 MHz band and up.

052. CW BK-IN

Function: Sets the CW "break-in" mode.

Available Values: SEMI/FULL

Default Setting: SEMI

SEMI: The transceiver will operate in the semi break-in mode. The delay (receiver recovery) time is set by the front panel's **CW DELAY** knob.

FULL: The transceiver will operate in the full break-in (QSK) mode.

053. CW WAVE SHAPE

Function: Selects the CW carrier wave-form shape (rise/fall times).

Available Values: 1/2/4/6 msec

Default Setting: 4 msec

054. CW WEIGHT

Function: Sets the Dot:Dash ratio for the built-in electronic keyer.

Available Values: (1:) 2.5 ~ 4.5

Default Setting: 3.0

MODE-CW GROUP

055. CW FREQ DISPLAY

Function: Frequency Display Format for the CW mode.

Available Values: DIRECT FREQ/PITCH OFFSET

Default Setting: PITCH OFFSET

DIRECT FREQ: Displays the receiver carrier frequency, without any offset added. When changing modes between SSB and CW, the frequency display remains constant.

PITCH OFFSET: This frequency display reflects the added BFO offset.

056. PC KEYING

Function: Enables/disables CW keying from the "DATA IN" terminal on the rear panel's **PACKET** jack while operating on the CW mode.

Available Values: DISABLE/ENABLE

Default Setting: DISABLE

057. QSK

Function: Selects the time delay between when the PTT is keyed and the carrier is transmitted during QSK operation when using the internal keyer.

Available Values: 15/20/25/30 msec

Default Setting: 15 msec

MODE-DAT GROUP

058. DATA IN SELECT

Function: Selects the data input to be used on the PKT mode.

Available Values: DATA/PC

Default Setting: DATA

DATA: Uses the data input line which is connected to the rear panel's **PACKET** jack while using the PKT mode.

PC: Uses the data input line which is connected to the rear panel's **AUDIO IN** jack while using the PKT mode.

059. DATA GAIN

Function: Sets the data input level from the TNC to the AFSK modulator.

Available Values: 0 ~ 255

Default Setting: 128

060. DATA OUT

Function: Selects the receiver to be connected to the data output port (pin 4) of the **PACKET** jack.

Available Values: VFO-a/VFO-b

Default Setting: VFO-a

061. DATA VOX DELAY

Function: Adjusts the "VOX" delay (receiver recovery) time on the PKT mode.

Available Values: 30 ~ 3000 msec

Default Setting: 300 msec

062. DATA VOX GAIN

Function: Adjusts the "VOX" gain on the PKT mode.

Available Values: 0 ~ 255

Default Setting: 128

MODE-FM GROUP

063. FM MIC GAIN

Function: Sets the microphone gain for the FM mode.

Available Values: MCVR/0 ~ 255 (FIX)

Default Setting: 128

When this menu is set to "MCVR," you may adjust the microphone gain using the front panel's **MIC** knob.

064. FM MIC SELECT

Function: Selects the microphone to be used on the FM mode.

Available Values: FRONT/REAR/DATA/PC

Default Setting: FRONT

FRONT: Selects the microphone connected to the front panel's **MIC** jack while using the FM mode.

REAR: Selects the microphone connected to the rear panel's **MIC** jack while using the FM mode.

DATA: Selects the microphone connected to pin 1 of the **PACKET** Jack while using the FM mode.

PC: Selects the microphone connected to the rear panel's **AUDIO IN** 3.5-mm jack while using the FM mode.

065. RPT SHIFT (28MHz)

Function: Sets the magnitude of the repeater shift on the 28 MHz band.

Available Values: 0 ~ 1000 kHz

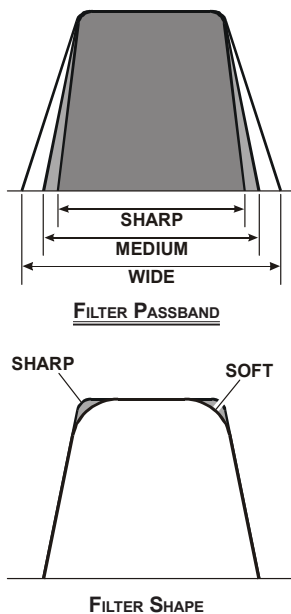
Default Setting: 100 kHz

066. RPT SHIFT (50MHz)

Function: Sets the magnitude of the repeater shift on the 50 MHz band.

Available Values: 0 ~ 4000 kHz

Default Setting: 1000 kHz



MODE-PKT GROUP

067. PKT DISP

Function: Sets the packet frequency display offset.

Available Values: -3000 ~ +3000 Hz (10 Hz/step)

Default Setting: 0 Hz

068. PKT GAIN

Function: Adjusts the audio input level from the TNC to the AFSK modulator.

Available Values: 0 ~ 255

Default Setting: 128

069. PKT SHIFT

Function: Sets the carrier point during the SSB Packet operation

Available Values: -3000 ~ +3000 Hz (10 Hz/step)

Default Setting: +1000 Hz (Typical center frequency for PSK31, etc.)

MODE-RTTY GROUP

070. POLARITY-R

Function: Selects normal or reverse Mark/Space polarity for RTTY receive operation.

Available Values: NOR/REV

Default Setting: NOR

071. POLARITY-T

Function: Selects normal or reverse Mark/Space polarity for RTTY transmit operation.

Available Values: NOR/REV

Default Setting: NOR

072. RTTY SHIFT

Function: Selects the frequency shift for the FSK RTTY operation.

Available Values: 170/200/425/850 Hz

Default Setting: 170 Hz

073. RTTY TONE

Function: Selects the mark tone for RTTY operation.

Available Values: 1275/2125 Hz

Default Setting: 2125 Hz

MODE-SSB GROUP

074. SSB MIC SELECT

Function: Selects the microphone to be used on the SSB mode.

Available Values: FRONT/REAR/DATA/PC

Default Setting: FRONT

FRONT: Selects the microphone connected to the front panel's **MIC** jack while using the SSB modes.

REAR: Selects the microphone connected to the rear panel's **MIC** jack while using the SSB modes.

DATA: Selects the microphone connected to pin 1 of the **PACKET** Jack while using the SSB modes.

PC: Selects the microphone connected to the rear panel's **AUDIO IN** 3.5-mm jack while using the SSB modes.

075. SSB-TX-BPF

Function: Selects the audio passband of the Enhanced DSP modulator on the SSB mode.

Available Values: 50-3000(Hz)/100-2900(Hz)/200-2800(Hz)/300-2700(Hz)/400-2600(Hz)/3000WB

Default Setting: 300-2700 Hz

076. LSB RX-CARRIER

Function: Adjusts the receiver carrier point for LSB mode.

Available Values: -200 Hz ~ +200 Hz (10 Hz steps)

Default Setting: 0 Hz

077. LSB TX-CARRIER

Function: Adjusts the transmitter carrier point for LSB mode.

Available Values: -200 Hz ~ +200 Hz (10 Hz steps)

Default Setting: 0 Hz

078. USB RX-CARRIER

Function: Adjusts the receiver carrier point for USB mode.

Available Values: -200 Hz ~ +200 Hz (10 Hz steps)

Default Setting: 0 Hz

079. USB TX-CARRIER

Function: Adjusts the transmitter carrier point for USB mode.

Available Values: -200 Hz ~ +200 Hz (10 Hz steps)

Default Setting: 0 Hz

RX AUDIO GROUP

080. AGC-SLOPE

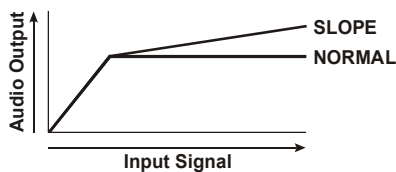
Function: Selects the gain curve of the AGC amplifier.

Available Values: NORMAL/SLOPE

Default Setting: NORMAL

NORMAL: The AGC output level will follow a linear response to the antenna input level, while AGC is activated.

SLOPE: The AGC output level will increase at 1/10 the rate of the antenna input level, while AGC is activated.



081. HEADPHONE MIX

Function: Selects one of three audio mixing modes when using headphones during Dual Receive operation.

Available Values: SEPARATE/COMBINE-1/COMBINE-2

Default Setting: SEPARATE

SEPARATE: Audio from the main (VFO-A) receiver is heard only in the left ear, and sub (VFO-B) receiver audio solely in the right ear.

COMBINE-1: Audio from both main (VFO-A) and sub (VFO-B) receivers can be heard in both ears, but sub (VFO-B) audio is attenuated in the left ear and main (VFO-A) audio is attenuated in the right ear.

COMBINE-2: Audio from both main (VFO-A) and sub (VFO-B) receivers is combined and heard equally in both ears.

082. SPEAKER OUT

Function: Selects audio mixing modes for the "sub" (secondary) speaker during Dual Receive operation.

Available Values: SEPARATE/COMBINE

Default Setting: COMBINE

SEPARATE: Audio from the main (VFO-A) receiver is fed to the main speaker, and sub (VFO-B) receiver audio is fed to the "sub" speaker.

COMBINE: Audio from both main (VFO-A) and sub (VFO-B) receivers is combined and split equally between the main and sub speakers.

RX DSP GROUP

083. MAIN-CONTOUR-LEVEL

Function: Adjusts the parametric equalizer gain of the main band (VFO-A) receiver Contour filter.

Available Values: -40 ~ +20 dB

Default Setting: -15 dB

084. MAIN-CONTOUR-WIDTH

Function: Adjusts the Q-factor of the main band (VFO-A) receiver Contour filter.

Available Values: 1 - 11

Default Setting: 10

085. SUB-CONTOUR-LEVEL

Function: Adjusts the parametric equalizer gain of the sub band (VFO-B) receiver Contour filter.

Available Values: -40 ~ +20 dB

Default Setting: -15 dB

086. SUB-CONTOUR-WIDTH

Function: Adjusts the Q-factor of the sub band (VFO-B) receiver Contour filter.

Available Values: 1 ~ 11

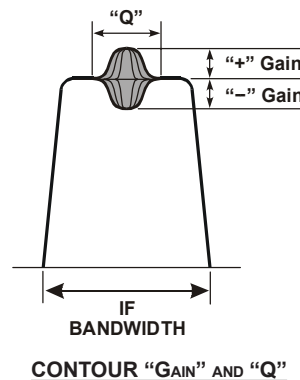
Default Setting: 10

087. IF-NOTCH-WIDTH

Function: Selects the bandwidth of the DSP NOTCH filter

Available Values: NARROW/WIDE

Default Setting: WIDE



CONTOUR "GAIN" AND "Q"

RX DSP GROUP

088. MAIN-CW-SHAPE

Function: Selects the passband characteristics of the main band (VFO-A) DSP filter for the CW mode.

Available Values: SOFT/SHARP

Default Setting: SHARP

SOFT: Primary importance attached to amplitude of the filter factor.

SHARP: Primary importance attached to phase of the filter factor.

089. MAIN-CW-SLOPE

Function: Selects the shape factor of the main band (VFO-A) DSP filter for the CW mode.

Available Values: GENTLE/MEDIUM/STEEP

Default Setting: MEDIUM

090. MAIN-CW-NARROW

Function: Selects the passband of the main band (VFO-A) DSP filter for the CW "narrow" mode.

Available Values: 25/50/100/200/300/400 Hz

Default Setting: 300 Hz

091. MAIN-PSK-SHAPE

Function: Selects the passband characteristics of the main band (VFO-A) DSP filter for the PSK mode.

Available Values: SOFT/SHARP

Default Setting: SHARP

SOFT: Primary importance attached to amplitude of the filter factor.

SHARP: Primary importance attached to phase of the filter factor.

092. MAIN-PSK-SLOPE

Function: Selects the shape factor of the main band (VFO-A) DSP filter for the PSK mode.

Available Values: GENTLE/MEDIUM/STEEP

Default Setting: MEDIUM

093. MAIN-PSK-NARROW

Function: Selects the passband of the main band (VFO-A) DSP filter for the PSK "narrow" mode.

Available Values: 25/50/100/200/300/400 Hz

Default Setting: 300 Hz

094. MAIN-RTTY-SHAPE

Function: Selects the passband characteristics of the main band (VFO-A) DSP filter for the RTTY mode.

Available Values: SOFT/SHARP

Default Setting: SHARP

SOFT: Primary importance attached to amplitude of the filter factor.

SHARP: Primary importance attached to phase of the filter factor.

095. MAIN-RTTY-SLOPE

Function: Selects the shape factor of the main band (VFO-A) DSP filter for the RTTY mode.

Available Values: GENTLE/MEDIUM/STEEP

Default Setting: MEDIUM

096. MAIN-RTTY-NARROW

Function: Selects the passband of the main band (VFO-A) DSP filter for the RTTY "narrow" mode.

Available Values: 25/50/100/200/300/400 Hz

Default Setting: 300 Hz

097. MAIN-SSB-SHAPE

Function: Selects the passband characteristics of the main band (VFO-A) DSP filter for the SSB mode.

Available Values: SOFT/SHARP

Default Setting: SHARP

SOFT: Primary importance attached to amplitude of the filter factor.

SHARP: Primary importance attached to phase of the filter factor.

098. MAIN-SSB-SLOPE

Function: Selects the shape factor of the main band (VFO-A) DSP filter for the SSB mode.

Available Values: GENTLE/MEDIUM/STEEP

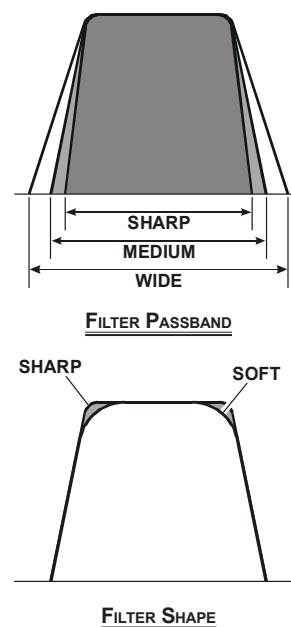
Default Setting: MEDIUM

099. MAIN-SSB-NARROW

Function: Selects the passband of the main band (VFO-A) DSP filter for the "narrow" SSB mode.

Available Values: 200/400/600/850/1100/1350/1500/1650/1800/1950/2100/2250 Hz

Default Setting: 1800 Hz



RX DSP GROUP

100. SUB-CW-SHAPE

Function: Selects the passband characteristics of the sub band (VFO-B) DSP filter for the CW mode.

Available Values: SOFT/SHARP

Default Setting: SHARP

SOFT: Primary importance attached to amplitude of the filter factor.

SHARP: Primary importance attached to phase of the filter factor.

101. SUB-CW-SLOPE

Function: Selects the shape factor of the sub band (VFO-B) DSP filter for the CW mode.

Available Values: GENTLE/MEDIUM/STEEP

Default Setting: MEDIUM

102. SUB-CW-NARROW

Function: Selects the passband of the sub band (VFO-B) DSP filter for the CW "narrow" mode.

Available Values: 25/50/100/200/300/400 Hz

Default Setting: 300 Hz

103. SUB-PSK-SHAPE

Function: Selects the passband characteristics of the sub band (VFO-B) DSP filter for the PSK mode.

Available Values: SOFT/SHARP

Default Setting: SHARP

SOFT: Primary importance attached to amplitude of the filter factor.

SHARP: Primary importance attached to phase of the filter factor.

104. SUB-PSK-SLOPE

Function: Selects the shape factor of the sub band (VFO-B) DSP filter for the PSK mode.

Available Values: GENTLE/MEDIUM/STEEP

Default Setting: MEDIUM

105. SUB-PSK-NARROW

Function: Selects the passband of the sub band (VFO-B) DSP filter for the PSK "narrow" mode.

Available Values: 25/50/100/200/300/400 Hz

Default Setting: 300 Hz

106. SUB-RTTY-SHAPE

Function: Selects the passband characteristics of the sub band (VFO-B) DSP filter for the RTTY mode.

Available Values: SOFT/SHARP

Default Setting: SHARP

SOFT: Primary importance attached to amplitude of the filter factor.

SHARP: Primary importance attached to phase of the filter factor.

107. SUB-RTTY-SLOPE

Function: Selects the shape factor of the sub band (VFO-B) DSP filter for the RTTY mode.

Available Values: GENTLE/MEDIUM/STEEP

Default Setting: MEDIUM

108. SUB-RTTY-NARROW

Function: Selects the passband of the sub band (VFO-B) DSP filter for the RTTY "narrow" mode.

Available Values: 25/50/100/200/300/400 Hz

Default Setting: 300 Hz

109. SUB-SSB-SHAPE

Function: Selects the passband characteristics of the sub band (VFO-B) DSP filter for the SSB mode.

Available Values: SOFT/SHARP

Default Setting: SHARP

SOFT: Primary importance attached to amplitude of the filter factor.

SHARP: Primary importance attached to phase of the filter factor.

110. SUB-SSB-SLOPE

Function: Selects the shape factor of the sub band (VFO-B) DSP filter for the SSB mode.

Available Values: GENTLE/MEDIUM/STEEP

Default Setting: MEDIUM

111. SUB-SSB-NARROW

Function: Selects the passband of the main band (VFO-A) DSP filter for the "narrow" SSB mode.

Available Values: 200/400/600/850/1100/1350/1500/1650/1800/1950/2100/2250 Hz

Default Setting: 1800 Hz

SCOPE GROUP

112. MAIN FIX 1.8 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the main band (VFO-A) 160 m amateur band.

Available Values: 1800 - 1999 kHz (1 kHz steps)

Default Setting: 1800 kHz

113. MAIN FIX 3.5 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 80 m amateur band.

Available Values: 3500 - 3999 kHz (1 kHz steps)

Default Setting: 3500 kHz

114. MAIN FIX 5.0 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 60 m amateur band.

Available Values: 5250 - 5499 kHz (1 kHz steps)

Default Setting: 5250 kHz

115. MAIN FIX 7.0 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 40 m amateur band.

Available Values: 7000 - 7299 kHz (1 kHz steps)

Default Setting: 7000 kHz

116. MAIN FIX 10 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 30 m amateur band.

Available Values: 10100 - 10149 kHz (1 kHz steps)

Default Setting: 10100 kHz

117. MAIN FIX 14 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 20 m amateur band.

Available Values: 14000 - 14349 kHz (1 kHz steps)

Default Setting: 14000 kHz

118. MAIN FIX 18 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 17 m amateur band.

Available Values: 18000 - 18199 kHz (1 kHz steps)

Default Setting: 18068 kHz

119. MAIN FIX 21 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 15 m amateur band.

Available Values: 21000 - 21449 kHz (1 kHz steps)

Default Setting: 21000 kHz

120. MAIN FIX 24 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 12 m amateur band.

Available Values: 24800 - 24989 kHz (1 kHz steps)

Default Setting: 24890 kHz

121. MAIN FIX 28 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 10 m amateur band.

Available Values: 28000 - 28699 kHz (1 kHz steps)

Default Setting: 28000 kHz

122. MAIN FIX 50 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 6 m amateur band.

Available Values: 50000 - 53999 MHz (1 kHz steps)

Default Setting: 50000 kHz

123. SUB FIX 1.8 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the main band (VFO-A) 160 m amateur band.

Available Values: 1800 - 1999 kHz (1 kHz steps)

Default Setting: 1800 kHz

124. SUB FIX 3.5 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 80 m amateur band.

Available Values: 3500 - 3999 kHz (1 kHz steps)

Default Setting: 3500 kHz

125. SUB FIX 5.0 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 60 m amateur band.

Available Values: 5250 - 5499 kHz (1 kHz steps)

Default Setting: 5250 kHz

126. SUB FIX 7.0 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 40 m amateur band.

Available Values: 7000 - 7299 kHz (1 kHz steps)

Default Setting: 7000 kHz

127. SUB FIX 10 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 30 m amateur band.

Available Values: 10100 - 10149 kHz (1 kHz steps)

Default Setting: 10100 kHz

SCOPE GROUP

128. SUB FIX 14 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 20 m amateur band.

Available Values: 14000 - 14349 kHz (1 kHz steps)

Default Setting: 14000 kHz

129. SUB FIX 18 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 17 m amateur band.

Available Values: 18000 - 18199 kHz (1 kHz steps)

Default Setting: 18068 kHz

130. SUB FIX 21 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 15 m amateur band.

Available Values: 21000 - 21449 kHz (1 kHz steps)

Default Setting: 21000 kHz

131. SUB FIX 24 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 12 m amateur band.

Available Values: 24800 - 24989 kHz (1 kHz steps)

Default Setting: 24890 kHz

132. SUB FIX 28 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 10 m amateur band.

Available Values: 28000 - 28699 kHz (1 kHz steps)

Default Setting: 28000 kHz

133. SUB FIX 50 MHz

Function: Selects the scan start frequency of the FIX mode Spectrum Scope while monitoring on the 6 m amateur band.

Available Values: 50000 - 53999 kHz (1 kHz steps)

Default Setting: 50000 kHz

TUNING GROUP

134. DIAL STEP

Function: Setting of the Tuning Knob's tuning speed on the SSB, CW, and AM modes.

Available Values: 1 / 5 / 10 Hz

Default Setting: 10 Hz

135. DIAL CW FINE

Function: Setting of the Tuning Knob's tuning speed in the CW mode.

Available Values: ENABLE/DISABLE

Default Setting: DISABLE

ENABLE: Tuning in 1 Hz steps on the CW mode.

DISABLE: Tuning according to the steps determined via menu item 134: **DIAL STEP**.

136. 1MHz/100kHz SELECT

Function: Selects the tuning steps for the **CLAR/VFO-B** knob when the **BAND/MHz** button is pressed.

Available Values: 1 MHz/100 kHz

Default Setting: 1 MHz

137. AM CH STEP

Function: Selects the tuning steps for the microphone's **[UP]/[DWN]** keys in the AM mode.

Available Values: 2.5 / 5 / 9 / 10 / 12.5 kHz

Default Setting: 5 kHz

138. FM CH STEP

Function: Selects the tuning steps for the microphone's **[UP]/[DWN]** keys in the FM mode.

Available Values: 5 / 6.25 / 10 / 12.5 / 20 / 25 kHz

Default Setting: 5 kHz

139. FM DIAL STEP

Function: Setting of the Main Tuning Knob's tuning speed in the FM mode.

Available Values: 10/100 Hz

Default Setting: 100 Hz

140. MY BAND

Function: Programs a band to be skipped while selecting bands using the **CLAR/VFO-B** knob.

Available Values: 1.8 ~ 50/GEN/TRV

To program the band to be skipped, rotate the **CLAR/VFO-B** knob to recall the band to be skipped while selecting bands via the **CLAR/VFO-B** knob, then press the **[ENT]** key to change this setting to "ON." Repeat the same procedures to cancel the setting (skipped "off"). The skipped band will be high-lighted on the TFT display.

TX AUDIO GROUP

141. F-PRMTRC EQ1-FREQ

Function: Selects the center frequency of the lower range for the front panel's parametric microphone equalizer.

Available Values: OFF/100 ~ 700 Hz (100 Hz/step)

Default Setting: OFF

OFF: The equalizer gain and Q-factor are set to factory defaults (flat).

100 ~ 700: You may adjust the equalizer gain and Q-factor at this selected audio frequency via menu items 142: **F-PRMTRC EQ1-LEVEL** and 143: **F-PRMTRC EQ1-BWTH**.

142. F-PRMTRC EQ1-LEVEL

Function: Adjusts the equalizer gain of the low range of the front panel's parametric microphone equalizer.

Available Values: -10 ~ +10

Default Setting: +5

143. F-PRMTRC EQ1-BWTH

Function: Adjusts the Q-factor of the low range of the front panel's parametric microphone equalizer.

Available Values: 1 ~ 10

Default Setting: 10

144. F-PRMTRC EQ2-FREQ

Function: Selects the center frequency of the middle range for the front panel's parametric microphone equalizer.

Available Values: OFF/700 ~ 1500 Hz (100 Hz/step)

Default Setting: OFF

OFF: The equalizer gain and Q-factor are set to factory defaults (flat).

700 ~ 1500: You may adjust the equalizer gain and Q-factor at this selected audio frequency via menu items 145: **F-PRMTRC EQ2-LEVEL** and 146: **F-PRMTRC EQ2-BWTH**.

145. F-PRMTRC EQ2-LEVEL

Function: Adjusts the equalizer gain of the middle range of the front panel's parametric microphone equalizer.

Available Values: -20 ~ +10

Default Setting: +5

146. F-PRMTRC EQ2-BWTH

Function: Adjusts the Q-factor of the middle range of the front panel's parametric microphone equalizer.

Available Values: 1 ~ 10

Default Setting: 10

147. F-PRMTRC EQ3-FREQ

Function: Selects the center frequency of the high range for the front panel's parametric microphone equalizer.

Available Values: OFF/1500 ~ 3200 Hz (100 Hz/step)

Default Setting: OFF

OFF: The equalizer gain and Q-factor are set to factory defaults (flat).

15 ~ 32: You may adjust the equalizer gain and Q-factor in this selected audio frequency via menu items 148: **F-PRMTRC EQ3-LEVEL** and 149: **F-PRMTRC EQ3-BWTH**.

148. F-PRMTRC EQ3-LEVEL

Function: Adjusts the equalizer gain of the high range of the front panel's parametric microphone equalizer.

Available Values: -20 ~ +10

Default Setting: +5

149. F-PRMTRC EQ3-BWTH

Function: Adjusts the Q-factor of the high range of the front panel's parametric microphone equalizer.

Available Values: 1 ~ 10

Default Setting: 10

150. R-PRMTRC EQ1-FREQ

Function: Selects the center frequency of the low range for the rear panel's parametric microphone equalizer.

Available Values: OFF/100 ~ 700 Hz (100 Hz/step)

Default Setting: OFF

OFF: The equalizer gain and Q-factor are set to factory defaults (flat).

100 ~ 700: You may adjust the equalizer gain and Q-factor in this selected audio frequency via menu items 151: **R-PRMTRC EQ1-LEVEL** and 152: **R-PRMTRC EQ1-BWTH**.

151. R-PRMTRC EQ1-LEVEL

Function: Adjusts the equalizer gain of the low range of the rear panel's parametric microphone equalizer.

Available Values: -20 ~ +10

Default Setting: +5

152. R-PRMTRC EQ1-BWTH

Function: Adjusts the Q-factor of the low range of the rear panel's parametric microphone equalizer.

Available Values: 1 ~ 10

Default Setting: 10

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153. R-PRMTRC EQ2-FREQ

Function: Selects the center frequency of the middle range for the rear panel's parametric microphone equalizer.

Available Values: OFF/700 ~ 1500 Hz (100 Hz/step)

Default Setting: OFF

OFF: The equalizer gain and Q-factor are set to factory defaults (flat).

700 ~ 1500: You may adjust the equalizer gain and Q-factor at this selected audio frequency via menu items 154: **R-PRMTRC EQ2-LEVEL** and 155: **R-PRMTRC EQ2-BWTH**.

154. R-PRMTRC EQ2-LEVEL

Function: Adjusts the equalizer gain of the middle range of the rear panel's parametric microphone equalizer.

Available Values: -20 ~ +10

Default Setting: +5

155. R-PRMTRC EQ2-BWTH

Function: Adjusts the Q-factor of the middle range of the rear panel's parametric microphone equalizer.

Available Values: 1 ~ 10

Default Setting: 10

156. R-PRMTRC EQ3-FREQ

Function: Selects the center frequency of the high range for the rear panel's parametric microphone equalizer.

Available Values: OFF/1500 ~ 3200 Hz (100 Hz/step)

Default Setting: OFF

OFF: The equalizer gain and Q-factor are set to factory defaults (flat).

1500 ~ 3200: You may adjust the equalizer gain and Q-factor at this selected audio frequency via menu items 157: **R-PRMTRC EQ3-LEVEL** and 158: **R-PRMTRC EQ3-BWTH**.

157. R-PRMTRC EQ3-LEVEL

Function: Adjusts the equalizer gain of the high range of the rear panel's parametric microphone equalizer.

Available Values: -20 ~ +10

Default Setting: +5

158. R-PRMTRC EQ3-BWTH

Function: Adjusts the Q-factor of the high range of the rear panel's parametric microphone equalizer.

Available Values: 1 ~ 10

Default Setting: 10

159. P-PRMTRC EQ1-FREQ

Function: Selects the center frequency of the lower range for the front panel's parametric microphone equalizer when the speech processor is activated.

Available Values: OFF/100 ~ 700 Hz (100 Hz/step)

Default Setting: 200 (Hz)

OFF: The equalizer gain and Q-factor are set to factory defaults (flat).

100 ~ 700: You may adjust the equalizer gain and Q-factor at this selected audio frequency via menu items 160: **P-PRMTRC EQ1-LEVEL** and 161: **P-PRMTRC EQ1-BWTH**.

160. P-PRMTRC EQ1-LEVEL

Function: Adjusts the equalizer gain of the low range of the front panel's parametric microphone equalizer when the speech processor is activated.

Available Values: -20 ~ +10

Default Setting: 0

161. P-PRMTRC EQ1-BWTH

Function: Adjusts the Q-factor of the low range of the front panel's parametric microphone equalizer when the speech processor is activated.

Available Values: 1 ~ 10

Default Setting: 2

162. P-PRMTRC EQ2-FREQ

Function: Selects the center frequency of the middle range for the front panel's parametric microphone equalizer when the speech processor is activated.

Available Values: OFF/700 ~ 1500 Hz (100 Hz/step)

Default Setting: 800 (Hz)

OFF: The equalizer gain and Q-factor are set to factory defaults (flat).

700 ~ 1500: You may adjust the equalizer gain and Q-factor at this selected audio frequency via menu items 162: **P-PRMTRC EQ2-LEVEL** and 163: **P-PRMTRC EQ2-BWTH**.

163. P-PRMTRC EQ2-LEVEL

Function: Adjusts the equalizer gain of the middle range of the front panel's parametric microphone equalizer when the speech processor is activated.

Available Values: -20 ~ +10

Default Setting: 0

164. P-PRMTRC EQ2-BWTH

Function: Adjusts the Q-factor of the middle range of the front panel's parametric microphone equalizer when the speech processor is activated.

Available Values: 1 ~ 10

Default Setting: 1

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165. P-PRMTRC EQ3-FREQ

Function: Selects the center frequency of the high range for the front panel's parametric microphone equalizer when the speech processor is activated.

Available Values: OFF/1500 ~ 3200 Hz (100 Hz/step)

Default Setting: 2100 (Hz)

OFF: The equalizer gain and Q-factor are set to factory defaults (flat).

1500 ~ 3200: You may adjust the equalizer gain and Q-factor in this selected audio frequency via menu items 165: **P-PRMTRC EQ3-LEVEL** and 166: **P-PRMTRC EQ3-BWTH**.

166. P-PRMTRC EQ3-LEVEL

Function: Adjusts the equalizer gain of the high range of the front panel's parametric microphone equalizer when the speech processor is activated.

Available Values: -20 ~ +10

Default Setting: 0

167. P-PRMTRC EQ3-BWTH

Function: Adjusts the Q-factor of the high range of the front panel's parametric microphone equalizer when the speech processor is activated.

Available Values: 1 ~ 10

Default Setting: 1

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168. TX MAX POWER

Function: Selects a maximum output power limit.

Available Values: 200/100/50/10 W

Default Setting: 200 W

169. TX PWR CONTROL

Function: Configures the **RF PWR** knob.

Available Values: ALL MODE/CARRIER

Default Setting: ALL MODE

ALL MODE: The **RF PWR** knob is enabled on all modes.

CARRIER: The **RF PWR** knob is enabled in all modes except SSB. In this configuration, the SSB output power will be set to maximum, regardless of the **RF PWR** knob's position.

170. EXT AMP TX-GND

Function: Enables/Disables the **TX GND** jack on the rear panel.

Available Values: ENABLE/DISABLE

Default Setting: DISABLE

171. EXT AMP TUNING PWR

Function: Selects a maximum output power limit for driving the input circuit of an external linear RF amplifier while tuning (while using the Remote Control function of the linear RF amplifier).

Available Values: 200/100/50/10 W

Default Setting: 100 W

172. FULL DUPLEX

Function: Enables/Disables Full Duplex operation.

Available Values: SIMP/DUP

Default Setting: SIMP

When this menu is set to "DUP," you may receive on the sub band (VFO-B) frequency while transmitting, during dual receive operation, on a different band on the main band (VFO-A).

173. VOX SELECT

Function: Selects the audio input source for triggering TX during VOX operation.

Available Values: MIC/DATA

Default Setting: MIC

MIC: The VOX function will be activated by microphone audio input.

DATA: The VOX function will be activated by data audio input.

174. EMERGENCY FREQ TX

Function: Enables Tx/Rx operation on the Alaska Emergency Channel, 5167.5 kHz.

Available Values: DISABLE/ENABLE

Default Setting: DISABLE

When this Menu Item is set to "ENABLE," the spot frequency of 5167.5 kHz will be enabled. The Alaska Emergency Channel will be found between the Memory channels "P-1" and "01 (or 1-01)."